

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below-named inventor, I hereby declare that:

This declaration is of the following type:

- ☒ original
- ☐ divisional
- ☐ continuation
- ☐ continuation-in-part

INVENTORSHIP IDENTIFICATION

My residence, post office address, and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first, and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TITLE OF INVENTION

"GAS DISTRIBUTOR HAVING DIRECTED GAS FLOW AND CLEANING METHOD"

SPECIFICATION IDENTIFICATION

The specification of which:

- ☒ is attached hereto
- ☐ was filed on _____, under Serial No. _____, executed on even date herewith; or ☐ Express Mail No. _____ (as Serial No. not yet known) and was amended on _____ (if applicable)
- ☐ was described and claimed in PCT International Application No. _____ filed on _____ and as amended under PCT Article 19 on _____ (if any).

ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, § 1.56, and which is material to the examination of this application; namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and

- ☒ In compliance with this duty there is attached an Information Disclosure Statement in accordance with 37 CFR § 1.98.

PRIORITY CLAIM (35 U.S.C. § 119)

I hereby claim foreign priority benefits under Title 35, United States Code § 119, of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America or of any United States Provisional Application(s) listed below, and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

☒ No such applications have been filed.

☐ Such applications have been filed as follows:

- A. Prior foreign/PCT application(s) filed within 12 months (6 months for design) prior to this application, and any priority claims under 35 U.S.C. § 119:**

<u>Country/PCT</u>	<u>Application No.</u>	<u>Date Filed</u>	<u>Priority Claimed</u>
			<input type="checkbox"/> Yes <input type="checkbox"/> No

- B. All foreign application(s), if any, filed more than 12 months (6 months for design) prior to this U.S. application:**

Country:
Application No:
Filing date:

PRIORITY CLAIM (35 U.S.C. § 120)

I hereby claim the benefit under Title 35, United States Code, § 120, of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information that is material to the examination of this application (namely, information where there is substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

☒ No such applications have been filed.

☐ Such applications have been filed as follows:

<u>Serial No.</u>	<u>Filing Date</u>	<u>Patented</u>	<u>Pending</u>	<u>Abandoned</u>
(None)				

POWER OF ATTORNEY

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Joseph Bach	Registration No. 37,771
Ashok K. Janah	Registration No. 37,487
Raymond Kam-On Kwong	Registration No. 37,165
Robert W. Mulcahy	Registration No. 25,436
Loretta Peters	Registration No. 43,855
Peter J. Sgarbossa	Registration No. 25,610
James C. Wilson	Registration No. 35,412

Send correspondence to:

Applied Materials, Inc.
Patent Department, M/S 2061
P.O. Box 450A
Santa Clara, CA 95052


Direct telephone calls to:

Ashok K. Janah
(415) 538-1555

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of **first or sole** inventor: Murugesh, Laxman

Inventor's signature:  Date: 2/3/04
Residence: San Ramon, California
Post Office Address: 420 Honeysuckle Lane
San Ramon, California 94583
U.S.A.

Country of Citizenship: U.S.A.

Full name of **second** inventor: Krishnaraj, Padmanabhan

Inventor's signature: _____ Date: _____
Residence: San Francisco, California
Post Office Address: 2734 Diamond Street
San Francisco, California 94131
U.S.A.

Country of Citizenship: India

Full name of **third** inventor: Dunham, Carl

Inventor's signature: _____ Date: _____
Residence: Sunnyvale, CA
Post Office Address: 686 E. McKinley Avenue
Sunnyvale, CA 94086
U.S.A.

Country of Citizenship: U.S.A.

(Declaration ends with this page)

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below-named inventor, I hereby declare that:

This declaration is of the following type:

- ☒ original
- ☐ divisional
- ☐ continuation
- ☐ continuation-in-part

INVENTORSHIP IDENTIFICATION

My residence, post office address, and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first, and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TITLE OF INVENTION

"GAS DISTRIBUTOR HAVING DIRECTED GAS FLOW AND CLEANING METHOD"

SPECIFICATION IDENTIFICATION

The specification of which:

- ☒ is attached hereto
- ☐ was filed on _____, under Serial No. _____, executed on even date herewith; or ☐ Express Mail No. _____ (as Serial No. not yet known) and was amended on _____ (if applicable)
- ☐ was described and claimed in PCT International Application No. _____ filed on _____ and as amended under PCT Article 19 on _____ (if any).

ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, § 1.56, and which is material to the examination of this application; namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and

- ☒ In compliance with this duty there is attached an Information Disclosure Statement in accordance with 37 CFR § 1.98.

PRIORITY CLAIM (35 U.S.C. § 119)

I hereby claim foreign priority benefits under Title 35, United States Code § 119, of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America or of any United States Provisional Application(s) listed below, and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

☒ No such applications have been filed.

☐ Such applications have been filed as follows:

A. Prior foreign/PCT application(s) filed within 12 months (6 months for design) prior to this application, and any priority claims under 35 U.S.C. § 119:

<u>Country/PCT</u>	<u>Application No.</u>	<u>Date Filed</u>	<u>Priority Claimed</u>
			<input type="checkbox"/> Yes <input type="checkbox"/> No

B. All foreign application(s), if any, filed more than 12 months (6 months for design) prior to this U.S. application:

Country:
Application No:
Filing date:

PRIORITY CLAIM (35 U.S.C. § 120)

I hereby claim the benefit under Title 35, United States Code, § 120, of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information that is material to the examination of this application (namely, information where there is substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

☒ No such applications have been filed.

☐ Such applications have been filed as follows:

<u>Serial No.</u>	<u>Filing Date</u>	<u>Patented</u>	<u>Pending</u>	<u>Abandoned</u>
(None)				

POWER OF ATTORNEY

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Joseph Bach	Registration No. 37,771
Ashok K. Janah	Registration No. 37,487
Raymond Kam-On Kwong	Registration No. 37,165
Robert W. Mulcahy	Registration No. 25,436
Loretta Peters	Registration No. 43,855
Peter J. Sgarbossa	Registration No. 25,610
James C. Wilson	Registration No. 35,412

Send correspondence to:

Applied Materials, Inc.
Patent Department, M/S 2061
P.O. Box 450A
Santa Clara, CA 95052

Direct telephone calls to:

Ashok K. Janah
(415) 538-1555

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of **first or sole** inventor: Murugesh, Laxman

Inventor's signature _____ Date: _____

Residence: San Ramon, California
Post Office Address: 420 Honeysuckle Lane
San Ramon, California 94583
U.S.A.

Country of Citizenship: U.S.A.

Full name of **second** inventor: Krishnaraj, Padmanabhan

Inventor's signature:  _____ Date: 3/5/04

Residence: San Francisco, California
Post Office Address: 2734 Diamond Street
San Francisco, California 94131
U.S.A.

Country of Citizenship: ~~India~~ USA

Full name of **third** inventor: Dunham, Carl

Inventor's signature: _____ Date: _____

Residence: Sunnyvale, CA
Post Office Address: 686 E. McKinley Avenue
Sunnyvale, CA 94086
U.S.A.

Country of Citizenship: U.S.A.

(Declaration ends with this page)

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below-named inventor, I hereby declare that:

This declaration is of the following type:

- ☒ original
- ☐ divisional
- ☐ continuation
- ☐ continuation-in-part

INVENTORSHIP IDENTIFICATION

My residence, post office address, and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first, and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TITLE OF INVENTION

"GAS DISTRIBUTOR HAVING DIRECTED GAS FLOW AND CLEANING METHOD"

SPECIFICATION IDENTIFICATION

The specification of which:

- ☒ is attached hereto
- ☐ was filed on _____, under Serial No. _____, executed on even date herewith;
or ☐ Express Mail No. _____ (as *Serial No. not yet known*) and was amended
on _____ (if applicable)
- ☐ was described and claimed in PCT International Application
No. _____ filed on _____ and as amended
under PCT Article 19 on _____ (if any).

ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, § 1.56, and which is material to the examination of this application; namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and

- ☒ In compliance with this duty there is attached an Information Disclosure Statement in accordance with 37 CFR § 1.98.

PRIORITY CLAIM (35 U.S.C. § 119)

I hereby claim foreign priority benefits under Title 35, United States Code § 119, of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America or of any United States Provisional Application(s) listed below, and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

☒ No such applications have been filed.

☐ Such applications have been filed as follows:

- A. Prior foreign/PCT application(s) filed within 12 months (6 months for design) prior to this application, and any priority claims under 35 U.S.C. § 119:**

<u>Country/PCT</u>	<u>Application No.</u>	<u>Date Filed</u>	<u>Priority Claimed</u>
			<input type="checkbox"/> Yes <input type="checkbox"/> No

- B. All foreign application(s), if any, filed more than 12 months (6 months for design) prior to this U.S. application:**

Country:
Application No:
Filing date:

PRIORITY CLAIM (35 U.S.C. § 120)

I hereby claim the benefit under Title 35, United States Code, § 120, of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information that is material to the examination of this application (namely, information where there is substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

☒ No such applications have been filed.

☐ Such applications have been filed as follows:

<u>Serial No.</u>	<u>Filing Date</u>	<u>Patented</u>	<u>Pending</u>	<u>Abandoned</u>
(None)				

POWER OF ATTORNEY

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Joseph Bach
Ashok K. Janah
Raymond Kam-On Kwong
Robert W. Mulcahy
Loretta Peters
Peter J. Sgarbossa
James C. Wilson

Registration No. 37,771
Registration No. 37,487
Registration No. 37,165
Registration No. 25,436
Registration No. 43,855
Registration No. 25,610
Registration No. 35,412

Send correspondence to:

Direct telephone calls to:

Applied Materials, Inc.
Patent Department, M/S 2061
P.O. Box 450A
Santa Clara, CA 95052

Ashok K. Janah
(415) 538-1555

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of **first** or sole inventor: Murugesh, Laxman

Inventor's signature: _____ Date: _____

Residence: San Ramon, California
Post Office Address: 420 Honeysuckle Lane
San Ramon, California 94583
U.S.A.

Country of Citizenship: U.S.A.

Full name of **second** inventor: Krishnaraj, Padmanabhan

Inventor's signature: _____ Date: _____

Residence: San Francisco, California
Post Office Address: 2734 Diamond Street
San Francisco, California 94131
U.S.A.

Country of Citizenship: India

Full name of **third** inventor: Dunham, Carl

Inventor's signature:  Date: 2-24-03

Residence: Sunnyvale, CA
Post Office Address: 686 E. McKinley Avenue
Sunnyvale, CA 94086
U.S.A.

Country of Citizenship: U.S.A.

(Declaration ends with this page)